
EDUCATION

- **University of California, Los Angeles** Los Angeles, CA
Bachelor of Science in Computer Science; GPA: 3.30 Sep. 2018 – Jun. 2020
- **City College of San Francisco** San Francisco, CA
Associate of Science in Computer Science; GPA: 3.78 Sep. 2016 – Jun. 2018

PROJECTS

- **Downtime Monitor**
Personal Project
 - **API endpoints:** Created API endpoints using Express and Apollo GraphQL.
 - **Monitoring:** Implemented website monitoring with a cron job and Apollo GraphQL polling query.
 - **Report Generation:** Implemented website downtime report generation with TOAST UI library.
 - **Email Alert:** Implemented alert triggers via email with SendGrid Email API.
- **Mini Social Media Web**
Personal Project
 - **Notifications:** Implemented a web push notification to alert users whenever a new post is created.
 - **Loading Optimization:** Lazy loaded posts and comments to avoid unnecessary loading. Rendered GIF images in MP4 format and paused GIF images when moved out of view to improve loading time.
 - **Data Modeling:** Designed data model for user and post entities.
 - **Image Hosting:** Used Cloudinary cloud-based image hosting service to host images.
 - **Data Query:** Designed GraphQL schema and endpoints. Used Apollo GraphQL to fetch and mutate only the fields the clients want.
 - **User Interface:** Leveraged React.js, along with Material UI and Semantic UI, to implement the interface.
- **Sorting Algorithms Visualizer**
Personal Project
 - **Visualization:** Used setTimeout function from Javascript to control the animation speed.
- **Spotify Web Clone**
Personal Project
 - **Interface:** Created web interface using Material UI and CSS.
 - **Spotify API:** Made use of Spotify public API to fetch user playlists to populate the frontend.
 - **Reusable UI Component:** Implemented a playback slider and volume slider to modify the currently playing song state.
 - **State Management:** Managed and shared users data among all the components using React Context.

ACADEMIC PROJECTS

- **HTTP Server:** Performed peer code reviews on Gerrit. Implemented proxy caching for the server.
- **Pintos Operating System:** Implemented scheduling, resource allocation and fast file system for the OS.
- **Mentor Mentee Matching:** Setup forms on the frontend to collect user data. Implemented the business logic on the backend.

PROGRAMMING SKILLS

- **Languages:** C++, Javascript, Java, SQL, Ruby, CSS
- **Technologies:** Nodejs, GraphQL, Express, React, MongoDB, Ruby on Rails